



MATHEMATICS

MONTH	UNIT	TOPIC	SUB - TOPIC	ACTIVITY
April	1	Number system	Irrational numbers, Real numbers and their Decimal expansions, Representing Real Numbers on the Number line, Operations on Real Numbers, Laws of Exponents.	Square Root Spiral
	2	Polynomials	Polynomials in one variable, Zeroes of a polynomial, Remainder theorem, Factor theorem, Factorisation of polynomials, Algebraic Identities.	
May	3	Euclid's Geometry	Euclid's Definitions, Axioms, Postulates, Equivalent version of Euclid's fifth postulate.	
June	4	Lines & Angles	Basic terms and definitions, Intersecting and non-intersecting lines, pairs of angles, Parallel lines and transversal, lines parallel to the same line, Angle sum property of a triangle.	
Periodic Test I				
July	5	Triangles	Congruence of triangles, Criteria for congruence of triangle, some properties of a triangle, Inequalities in a triangle.	Midpoint Theorem
	6	Coordinate Geometry	Cartesian system, Plotting of a point.	Coordinate Geometry
	7	Linear Equation in Two variables	Linear equation, Solution of a Linear Equation, Graph of a Linear Equation in Two Variable, Equations of lines parallel to x-axis and y-axis.	
July	8	Heron's Formula	Area of a triangle, Application in finding area of a quadrilateral.	
	9	Statistics	Collection of data, Presentation of data, Graphical Representation of Data, Measures of Central Tendencies.	
August	10	Quadrilaterals	Angle sum property of a Quadrilateral, Types of Quadrilateral, Properties of a Parallelogram, Condition for a quadrilateral to be a Parallelogram, Mid-Point theorem.	
	11	Probability	Probability--A Theoretical Approach	



MATHEMATICS

MONTH	UNIT	TOPIC	SUB - TOPIC	ACTIVITY
September	Revision			
Periodic Test II				
October	12	Constructions	Basic constructions, Some construction of triangles.	
November	13	Area of Parallelograms and triangles	Parallelograms on the same base and between same parallels, Triangles on the same base and between same parallels.	Area of Parallelograms
Periodic Test III				
December	14	Surface Area and Volume	Surface Area and volume of Combination of figure - Cube, cuboid, cylinder, sphere and cone.	1. Sum of interior angles of a quadrilateral is 360° 2. To make Kite and Rhombus by paper folding and cutting
January	15	Circles	Circle and related terms, Angle subtended by a Chord at a point, Perpendicular from the centre to a chord, Circle through Three Points, Equal Chords and their Distance from the centre, Angle subtended By an Arc of a Circle, Cyclic Quadrilateral.	
February	Revision			
Annual Examination				

Syllabus for Annual Examination: Entire Syllabus as prescribed by CBSE board